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I, JANENE PEISKER, TEAM LEADER EXAMINATION SUPPORT AND SALES hereby certify that annexed is a true copy of the Provisional specification in connection with Application No. 2004900854 for a patent by SAFECAM PTY. LIMITED as filed on 19 February 2004.

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JANENE PEISKER
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PROVISIONAL SPECIFICATION

APPLICANT: Safecam Pty. Limited
NUMBER:
FILING DATE:

Invention Title: SECURITY METHOD

The invention is described in the following statement:-

SECURITY METHOD

Area of the invention

This invention relates to the area of personal security in venues where generally security is provided by a combination of electronic surveillance and persons employed to ensure that security is maintained. The area of the invention relates to crowd control in night clubs and other such public places although the application of the invention can include any venues where security is required such as hospitals and prisons among others.

Background to the Invention

While the concept of the invention has many applications for convenience sake it will be discussed herein with reference to its application to crowd management in entertainment venues.

Over the years there has been a progressive liberalisation in the opening hours of entertainment venues of all kinds and in particular licensed venues such as night clubs and the like. In addition, with the advent of a pronounced drug culture, such venues have been known to attract violence from gangs and/or from people affected by alcohol and/or drugs.

The practice has been that security is provided by privately employed security personnel to implement crowd control while surveillance has been provided by security cameras.

It has been known that security cameras in the numbers generally distributed about public venues do not provide adequate coverage of the area to be secured thereby permitting drug transactions to be carried out and violence to be perpetrated in so called "black spots" . In addition the activities of security personnel are difficult to monitor in such circumstances.

Some progress has been made in relation to "qualifying" security personnel for their task in Victoria where legislation was introduced to define the education and qualifications that a person must have before carrying out such work.

While many feel that there are deficiencies in this training the additional problems of poor surveillance techniques previously discussed still remain to hamper efforts to maintain adequate control of crowds. In particular a door guard would have difficulty identifying a potential troublemaker unless that person happened to be aware of the identity of all people entering a premises.

Outline of the Invention

It is an object of this invention to provide a means whereby better surveillance techniques are available to those providing security services of the type

described and also to provide a means for identifying people who enter or leave premises where the security service is provided.

The invention is a supplementary security system, which may be used in conjunction with other security systems associated with a venue, which includes a device which can be used to scan the identity of a person, and a camera/audio recording device which can be worn by a security person.

It is preferred that the identification scanning device be able to scan an identity card having a picture of the person concerned and that it be programmed to record a preset number of identification parameters for later use.

It is further preferred that each security person wear a small camera device associated with an audio recording system.

Preferably also this apparatus would be attached to a comfortable ear hook and be located adjacent the front of the wearer proximate to the neck of the wearer. It could of course be worn anywhere else considered to be appropriate and be attachable to clothing or the like if preferred.

In order that the invention may be more readily understood we shall describe by way of non limiting example a particular embodiment of the invention.

Brief Description of an Embodiment of the Invention

In one embodiment of the invention a security system is provided which in the application described is an adjunct to existing surveillance equipment, such as cameras and the like, used in venues such as sporting events, entertainment venues and nightclubs etc.

The system includes a recording device programmed to record information received from a swipe card typically used to identify a person wanting entry upon premises guarded by security personnel. The type of identification used is not restricted in the invention and it could include purpose built cards or a drivers licence or other ID.

The recording device has a software module which is able to dramatically enhance the performance of face recognition systems and in particular over large databases.

The facial reconstruction has been designed to ensure that reconstructed images can be accessed into any other facial recognition systems , e.g. responsible law enforcement, thereby providing enhanced security applications.

By use of this recording device a database of people entering a venue can be built up. This enables not only recognition of whoever is entering for the first time but provides information concerning whether that person has entered

before with any associated information.

Also included in the invention is a miniature wireless video camera with an associated audio device which in this embodiment of the invention is worn on the actual person.

This wireless camera transmits colour or black & white video up to 1000' line of sight and works for up to 10 hours on a single 9 volt battery. The comfortable ear hook is placed over the ear with the audio and visual recording occurring adjacent the wearer's mouth. This material is then transmitted at 900 MHz to a receiver.

With the system of the invention what the crowd controller/security person sees and hears will be captured by this electronic surveillance and the instant face recognition will identify all the parties involved.

While we have described here a particular embodiment of the invention as applied to control of nightclubs and other such venues the concept of the invention could be used by correctional staff in prisons, by nurses and other medical staff in hospitals or any other people in danger of assault or wishing to prevent illegal activity. Presumably such monitoring could also have fairly general application and include anywhere where it may be difficult to otherwise obtain people's identities such as perhaps nursing homes.

In addition the invention is not restricted to any particular software, type of monitoring equipment or location of such monitoring equipment.

The concept of the invention therefore can have many applications and while we have described herein one particular embodiment of the invention it is to be understood that variations and modifications in the features described can still lie within the scope of the invention.

DATED THIS 19th DAY OF FEBRUARY 2004

SAFECAM PTY. LIMITED
By its Patent Attorneys
A TATLOCK & ASSOCIATES